

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0003] as follows:

[0003] An HFC network using a cable modem is a shared media network, meaning that if an unwanted signal comes from a cable ~~[[mode]]~~ modem connected to a network, or if the cable modem operates abnormally and thus, generates a signal with a particular frequency, the entire system is fatally influenced and in the worst case, the network is likely to be shut down. A related art cable modem controls the transferring of a burst signal to the HFC network, by using an enable signal of a PGC (Programmable Gain Controller) that adjusts or controls signal intensity of the cable modem.